

CHAPTER 2 Software

2.1 Software Listing

2.1.1 DRU Software Listing

Denro Part No.	Description
153001-004	MS DOS Version 6.22 (3 diskettes)
153011-001	Expanded Memory Manager, Quarterdeck QEMM Version 7.5 (2 diskettes)
153013-001	Communication Package (Includes PC/TCP Version 2.1) (1 diskette)
153034-102	Installation Package, 24 Channel, Version 7.66 (or)
153034-103	Installation Package, 48 Channel, Version 7.66 (or)
153034-104	Installation Package, 72 Channel, Version 7.66 (or)
153034-105	Installation Package, 96 Channel, Version 7.66 (2 diskettes each)
153100-001	Driver for SCSI AHA-1520B (8GB) (1 diskette)

2.1.2 Reproducer Software Listing

Denro Part No.	Description
153001-004	MS DOS Version 6.22 (3 diskettes)
153011-001	Expanded Memory Manager, Quarterdeck QEMM Version 7.5 (2 diskettes)
153013-001	DRU Communication Package (Includes PC/TCP Version 2.1) (1 diskette)
153034-102	Reproducer Installation Package, 24 Channel (8 used), Version 7.66 (2 diskettes)
153100-001	Driver for SCSI AHA-1520B (8GB) (1 diskette)

2.1.3 Pre-Loaded Spare Hard Disk Software Listing

Denro Part No.	Description
153001-004	MS DOS Version 6.22 (3 diskettes)
153011-001	Expanded Memory Manager, Quarterdeck QEMM Version 7.5 (2 diskettes)
153013-001	DRU Communication Package (Includes PC/TCP Version 2.1) (1 diskette)
153032-002	Spare Disk Configuration Utility (SDCU) Version 2.01 (1 diskette)
153034-102	DRU Installation Package, 24 Channel, Version 7.66 (2 diskettes)
153100-001	Driver for SCSI AHA-1520B (8GB) (1 diskette)

2.1.4 Workstation Software Listing

Denro Part No.	Description
153095-001	Microsoft Windows 95 (1 CD ROM)
153014-101	Workstation Software, Version 7.554 (1 CD ROM), consisting of: NiceLog Query application NiceLog Control application

NiceLog System Administration application
NICE Supervision application

2.2 DRU or Reproducer Software Installation

NOTE For hard disk replacement, it is recommended that the pre-loaded spare hard disk kit #111886-102 is used for the DRUs and the kit #111886-103 is for the Reproducers. But if an empty hard drive(s) is installed, use the following procedure.

2.2.1 Pre-Setup

Before installing any software, ensure that the appropriate diskettes listed in Chapter 2.1 are inventoried and available for setup. (This procedure also applies to the Reproducer.) Connect a monitor and keyboard to the DRU, if not already connected.

1. With the DRU powered down and no operating system installed, power up the DRU and press the DEL key to move into the BIOS setup screen.
2. Ensure that the following parameters are implemented:
 - Hard Drives - NOT INSTALLED
 - Keyboard - NOT INSTALLED
3. Save and exit setup.
4. Press CTRL-A to start the SCSI Select utility.
5. Select the option for Configure/View Host Adapter Settings.
6. Select the option for Advanced Configuration.
7. Ensure that the following parameters are implemented:
 - Host Adapter BIOS - ENABLED
 - Extended BIOS Translation for Drives > 1GByte - ENABLED
 - Support Removable Disks Under BIOS as Fixed Disks - DISABLED
8. Save and exit settings.
9. Power down the DRU.

2.2.2 MS DOS Installation

1. With the DRU powered down and no operating system installed, insert the diskette labeled “MS DOS Version 6.22 Disk 1 – Setup” into the A: drive.
2. Power up the DRU. The MS DOS 6.2.2 Setup program will start up from the diskette.
3. Verify that the MS DOS Version is 6.22. The Version number can be found in the top left corner of the screen.
4. Press ENTER to continue setup of MS DOS 6.2.2.
5. The System Settings screen will appear next.
 - Ensure that the date and time are correct
 - The *Country:* should be *United States*

- The *Keyboard Layout*: should be *United States*
6. The Default configuration should be correct. If not, make changes as follows. Use the arrow keys to highlight the item to be changed.
 - If changing the date/time, highlight the desired field using the arrow keys. Enter the correct date/time and press ENTER. (Do not use Zulu time.)
 - If changing the keyboard or country, use the arrow keys to highlight the correct entry and press ENTER.
 - Highlight *The settings are correct.* and press ENTER.
 7. Install the MS DOS files into the C:\DOS directory. C:\DOS should be the default directory offered by the setup program. If C:\DOS is not displayed, type C:\DOS and press ENTER.

The installation program will begin to install files.
 8. When the DRU prompts for Setup Disk #2, remove diskette 1 from the A: drive, and insert diskette 2. Press ENTER to continue.
 9. When the DRU prompts for Setup Disk #3, remove diskette 2 from the A: drive, and insert diskette 3. Press ENTER to continue.
 10. When installation is complete, the DRU will prompt *Remove disks from all disk drives, and then press ENTER.* Follow the prompt.
 11. Press ENTER again to restart the DRU.
 12. At the C:\> prompt, type SCANDISK and press ENTER.
 13. Follow the on-screen instructions until the SCANDISK operation is complete.

2.2.3 Quarterdeck Expanded Memory Manager Installation

1. At the C:\> prompt insert diskette 1 of the Quarterdeck Expanded Memory Manager (QEMM) into the A: drive.
2. Type A: and press ENTER.
3. At the A:\> prompt type "install" and press ENTER.
4. The "Welcome to QEMM Installation" window will appear.
5. Verify that the QEMM installation program is Version 7.5. This should be in the top box of the first screen
6. Press ENTER to begin installation.
7. The owner information screen should appear. Press ENTER to continue. If this is the first time the diskette has been used to install QEMM, the Owner Registration screen will appear before the owner information screen. Enter the requested information. When the information is completely entered, press ENTER.
8. Perform an express install of QEMM. Press ENTER to begin.

9. The installation program will begin installing files.
10. When the DRU prompts for Setup Disk #2, remove diskette 1 from the A: drive, and insert diskette 2. Press ENTER to continue.
11. When the installation program is through installing files, it will display a READ.ME file. Version 7.5 should be displayed at the top of the middle window. Press ENTER to continue.
12. The next screen suggests that the DRU should be optimized. Do **NOT** optimize the DRU. Press ESC to quit.
13. Remove the QEMM diskette.
14. Type “cd ..” and press ENTER until the C:\> prompt is displayed. This completes the installation.

2.2.4 Communication Package Installation

1. At the C:\> prompt, insert the diskette labeled Communication Package into A:drive.
2. Type A: and press ENTER.
3. At the A:\> prompt, type “install” and press ENTER. Several files will be copied to the hard drive.
4. When all files have been installed, the A:\> prompt will be displayed.
5. Type “cd ..” and press ENTER until the C:\> prompt is displayed. Remove the diskette from A: drive.
6. Configure the communication board by running the 3C5X9CFG.EXE utility found in the C:\PCTCP directory.
 - Type “cd\PCTCP” and press ENTER.
 - At the C:\PCTCP:\> prompt, type “3C5X9CFG” and press ENTER.
 - Under the *Install* menu, select the *Configure Adapter* option. Press ENTER when the selection is highlighted.
 - Verify that the board is configured as follows:

I/O Address	280h
Interrupt Request Level	5
Boot PROM	Disabled
Transceiver Type	On-Board TP (RJ-45)
Network Driver Optimization	DOS Client
Maximum Modem Speed	No Modem
Plug and Play Capability	Disabled
 - To make any necessary changes, press the TAB key until one of the options is highlighted. Use the arrow keys to highlight the option that needs changing.
 - When all options are set correctly, press the TAB key until the OK button is highlighted.
 - Press ENTER. Wait a few seconds, then press ESC to exit.
 - Press ENTER to confirm the exit.

7. Remove all diskettes and re-boot the DRU.

2.2.5 Installation Package Installation

1. Insert the diskette labeled Installation Disk 1 into the A: drive.
2. Type A: and press ENTER.
3. At the A:\> prompt, type "install" and press ENTER.
4. Verify that the Version is 7.66. The installation program is Version 7.64, which is easily confused with the DRU software Version. This can be verified when the installation process begins. The screen displays the Version, which quickly scrolls off the screen.
5. When the DRU prompts for Setup Disk #2, remove diskette 1 from the A: drive, and insert diskette 2. Press any key to continue.
6. Setup will continue copying files to the hard drive.
7. When prompted, press any key to continue.
8. Setup will continue copying files to the hard drive.
9. When prompted, remove all diskettes
10. Setup will automatically run SCANDISK and re-boot the DRU.
11. At the C:\> prompt, remove all diskettes, power down and then power back up the DRU.

2.3. Workstation Software Installation

2.3.1 Windows 95 Installation

This section describes how to install the Windows 95 operating system onto the workstation. It is recommended that the C: drive first be initialized and partitioned. First, critical data should be backed up.

2.3.1.1 Formatting Drive C:

Format drive C: as follows:

1. Insert diskette “Window 95 Start Up Disk P/N 153095-002” into drive A:
2. Power up the computer. The Microsoft Windows 95 Startup Menu will appear, with item **1. Load NEC IDE CDROM driver** highlighted.
3. Press **ENTER**. The **A:\>** prompt will appear.
4. Type “format c:” and press **ENTER**.
5. The following warning will be displayed:

WARNING: All data on non-removable disk drive C: will be lost!

Proceed with format (Y/N)?

Type “y” and press **ENTER**.

6. The disk will be formatted. A screen advising you of the percentage of completion will be displayed while the formatting progresses.
7. Upon completion of formatting, the message
“Volume Label (11 characters, ENTER for none)? will appear. Press **ENTER**.
8. The **A:\>** prompt will appear. The disk is now formatted. Power down the computer.

2.3.1.2 Installing Windows 95

Install Windows 95 as follows:

1. Power up the computer. The Microsoft Windows 95 Startup Menu will appear, with item **1. Load NEC IDE CDROM driver** highlighted.
2. Press **ENTER**. The **A:\>** prompt will appear.
3. Into drive D, insert CD ROM disk labeled:

Microsoft Windows 95
NiceLog WS Ver 7.554
Kingston Drivers
Y2K Patch
4. Type “d:” and press **ENTER**. The **D:\>** prompt will appear.
5. Type “setup” and press **ENTER**. When the Welcome screen appears, press **ENTER** again.
6. The Windows 95 Setup window will appear. Click on **Continue**.
7. The Software License Agreement window will appear. Read the license terms and click **YES** to agree.
8. The Windows 95 Setup Wizard window appears. To navigate in Windows 95 Setup:
 - ? Click the **Next** or **Back** buttons on the Setup screens to navigate through choosing installation options.
 - ? Click the **Next** button to accept the choices you made on the current screen and to continue to the next screen.
 - ? Click the **Back** button to return to the previous screen to make changes.

The first of the three parts of Setup displayed in this screen,

1) Collecting information about your computer

will be highlighted. Click on **Next** to continue.

9. The Choose Directory screen will be displayed. The default directory **C:\WINDOWS** will be selected. Click on **Next** to accept the default and continue.
10. The Setup Options screen will be displayed. The default selection,

Typical Recommended for most computers

will be selected. Click on **Next** to accept the default and continue.

11. The Certificate of Authenticity screen will be displayed. Enter the Certificate of Authenticity number, found on the bar code sticker in the CD jewel case, in the spaces provided. Click on **Next** to continue.
12. The User Information screen will appear. Enter **FAA** for Name, and **DENRO** for Company. Click on **Next** to continue.
13. The Analyzing Your Computer screen will appear. Select **Network Adapter** from the list of choices. Click on **Next** to continue.
14. A progress bar shows hardware detection progress. The device(s) found are then displayed. Click on **Next** to continue.
15. The Windows Components screen will appear. The default,

Install the most common components [recommended]

will be selected. Click on **Next** to accept the default and continue.
16. The Startup Disk screen will appear. The default,

Yes, I want a startup disk [recommended]

will be selected. Select **No, I do not want a startup disk** (a startup disk is supplied with each workstation). Click on **Next** to continue.
17. The Start Copying Files screen will appear. The second of the three parts of Setup displayed in this screen,

2) Copying Windows 95 files to your computer

will be highlighted. Click on **Next** to continue.
18. A progress bar shows software installation progress. The Finishing Setup screen will then appear. The third of the three parts of Setup displayed in this screen,

3) Restarting your computer and finishing Setup

will be highlighted. Click on **Finish** to restart your computer.
19. Upon restart, a window prompting you to remove the diskette from drive A: will appear. Remove the diskette and click **OK**.
20. Windows 95 will indicate that it is running for the first time, and give you additional setup options.

21. The Date/Time Properties screen will appear. Select your time zone on the map in the **Time Zone** tab, then set the date and time in the **Date & Time** tab. Click on **OK** to continue.
22. The Add Printer Wizard will appear. No printer is supplied with the DVR2 workstation, so click on **Cancel** to proceed.
23. The Windows 95 installation process is now complete. The following will be displayed:

Setup has finished configuring your system

You must restart your computer before the new settings will take effect

Click OK to restart your computer now.

2.3.1.3 Disabling Windows 95 Screen Saver

The Windows Screen Saver must be disabled because it conflicts with proper operation of the NiceLog software. Before any further software installation make sure you disable the Windows 95 Screen Saver as follows.

1. In the Windows 95 main window, click on **Start**.
2. In the pop up menu, go to **Settings** and in the submenu, click on **Control Panel**.
3. In the Control Panel window, double click on **Display**.
4. In the Display Properties window, click on the **Screen Saver Tab**.
5. There should be no image displayed in the monitor preview at the top of the Display Properties window and the term <None> should be displayed in the field to the left of the **Settings...** button in the Screen Saver controls.
6. If there is a preview image, click on the drop down menu arrow to the right of the menu field and select **None**.
7. At the base of the Display Properties window, click on **OK**.
8. Click on the Close box of the Control Panel window.

You do not have to reboot the computer for the change to take effect.

2.3.1.4 Installing Networking Software

Install Networking Software as follows:

1. In the Windows 95 main window, double-click on **My Computer**.

2. In the My Computer window, double-click on **Control Panel**.
3. In the Control Panel window, double-click on **System**.
4. In the System Properties window, click on the **Device Manager** tab.
5. In the Device Manager window, click on **Other Devices**, then double click on **PCI Ethernet Controller**.
6. In the PCI Ethernet Controller window, click on the **Driver** tab.
7. In the Driver window, click on **Update Driver**.
8. In the Update Device Driver Wizard, select **No, Select driver from list** and click on **Next**.
9. In the Update Device Driver Wizard, **Unsupported device** will be selected. Click on **Back**.
10. In the Update Device Driver Wizard, select **Choose network adapters from list** and click on **Next**.
11. In the Select Device window, click on **Have disk**.
12. In the Install From Disk window, click on **Browse**.
13. In the Open dialog box, select D: and open the **kings~17** folder.
14. The file **ktc30n3.inf** will be selected. Click on **OK**.
15. In the Install From Disk window, click on **OK**.
16. In the Select Device window, the ethernet adapter will be selected. Click on **OK**.
17. In the Network window, enter the following information:

Computer Name	Enter unique name (e.g. Recorder_1) <i>Each workstation must have its own name.</i>
Workgroup	DENRO
Computer Description	DENRO

Click on **Close**.
18. In the Insert Disk window, the following message will be displayed:

Please insert the disk labeled “Windows 95 CD-ROM”, and click OK.

The CD-ROM is already inserted, so click **OK**.
19. In the Copying Files dialog box, in the **Copy files from:** box, enter **D:\WIN95**. Click **OK**.

20. A progress bar shows software installation progress. The Kingston EtherRx Client PCI Ethernet Adapter Properties window will appear. Click on **Close**.
21. The System Properties window will appear. Click on **OK**.
22. Close all open windows and restart the computer.

23. In the Enter Network Password dialog box, enter the following information:

User Name	sysadm
Password	nicelog

Click **OK**.

24. In the Set Windows Password window, the **New Password** field will already be filled in. In the **Confirm New Password** field, enter **nicelog**.

25. The Welcome to Windows 95 window will appear. Click on **Close**.

26. In the Windows 95 main window, double-click on **My Computer**.

27. In the My Computer window, double-click on **Control Panel**.

28. In the Control Panel window, double-click on **Network**.

29. In the Network window, click on the **Configuration** tab.

30. In the Select Network Component Type window, select **Protocol** and click on **Add**.

31. In the Select Network Protocol window, in the left Manufacturers window select **Microsoft** and in the right Network Protocols window select **TCP/IP**. Click **OK**.

32. In the Network window, double-click on **TCP/IP**.

33. In the TCP/IP Properties window, select **Specify an IP Address** and enter the following:

IP Address	100.000.000.100
Subnet Mask	255.255.255.0

34. In the Network window, click on **OK**.

35. The Copying Files progress bar will appear until the networking software is installed.

36. You will then be prompted to restart your computer. Click on **OK** to restart.

37. In the Enter Network Password dialog box, enter the following information:

User Name	sysadm
Password	nicelog

Click **OK**.

38. The Welcome to Windows 95 window will appear. If you would like this window to stop appearing every time you launch Windows, uncheck the box next to the following:

Show the Welcome Screen next time you start Windows?

Click **Close**. This completes the Networking Software installation.

2.3.2 To Prevent Windows 95 from Prompting for a Password.

This section describes how to prevent Windows from prompting you for a password when you start Windows.

To prevent Windows from prompting you for a password at startup:

1. Click **Start**, point to **Settings**, click **Control Panel**, and then double-click **Network**.
2. On the **Configuration** tab, click **Windows Logon** in the **Primary Network Logon** box, and then click **OK**.
3. When you are prompted to restart your computer, click **No**.
4. In Control Panel, double-click **Passwords**.

NOTE: If you cancel the network logon dialog box when you start your computer, the **Change Passwords** tab may not be available. You must log on so that the **Change Passwords** tab is available.

5. In the **Change Windows Password** dialog box, type your current Windows password in the **Old Password** box. Leave the **New Password** and **Confirm New Password** boxes blank, click **OK**, and then click **OK**.
6. On the **User Profiles** tab, verify that the **All users of this PC use the same preferences and desktop settings** option is selected, and then click **Close**.

2.3.3 NiceLog Application Installation

Refer to Volume III, Operation, Chapter 6 for installing NiceLog Applications.

2.3.4 Year 2000 Update Installation

After the NiceLog Application installation, install the Year 2000 Update software as follows:

1. Double-click **My Computer**.

2. In the My Computer window, double-click on the D:\ drive.
3. In the D:\ drive window, double-click the win95y2kpatch folder.
4. In the win95y2kpatch window, double-click w95y2k.
5. The Software License Agreement window will appear. Read the license terms and click **YES** to agree.
6. The first Windows 95 Year 2000 Update window will appear, containing the following:

To begin installing Internet Explorer 4.01 Service Pack 2 now click OK.

Internet Explorer will not be used with this computer, so click **Cancel**.
7. The second Windows 95 Year 2000 Update window will appear, containing the following:

Click to continue installing the Year 2000 Update.

Click **OK**.
8. The Copying Files progress bar will appear until the Y2K software is installed.
9. You will then be prompted to restart your computer. Click on **OK** to restart.